

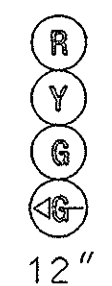
MD 210 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

EXISTING VIDEO
DETECTION

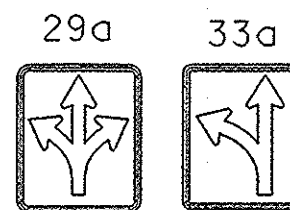
a,b,c,d

EXISTING SIGNAL HEADS
TO BE REMOVED

9a,11a,14a,15a

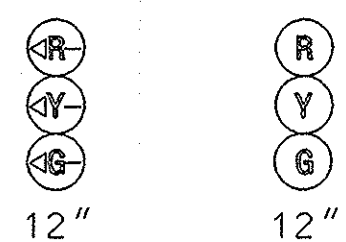


EXISTING SIGNS
TO BE REMOVED



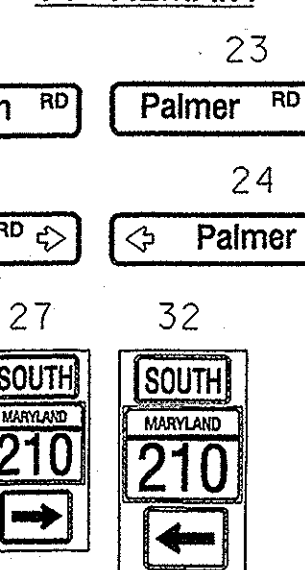
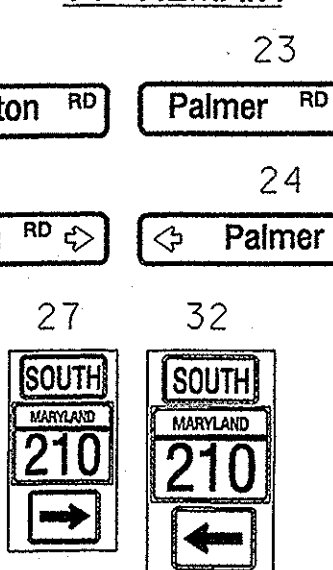
EXISTING SIGNAL
HEADS TO REMAIN

1,2,5,6 3,4,7,8,17 20,21

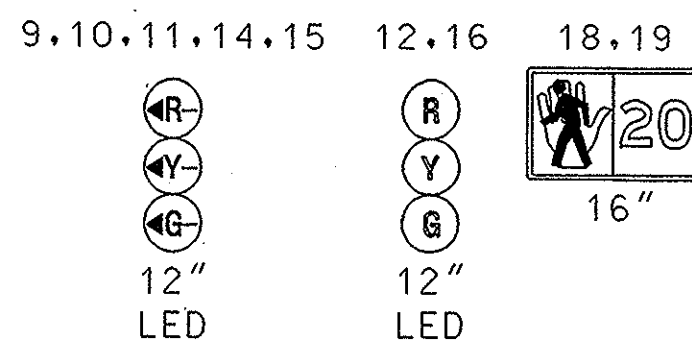


EXISTING SIGNAL HEAD
TO BE RELOCATED (SHOWN
AT FINAL LOCATION)

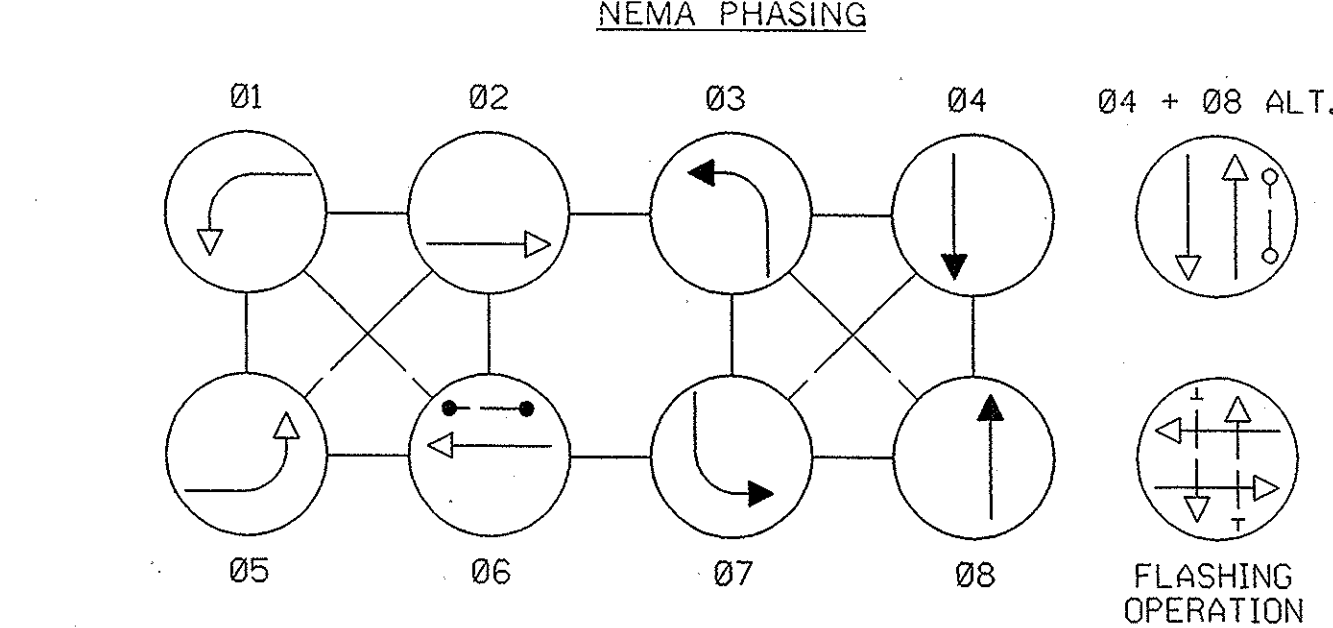
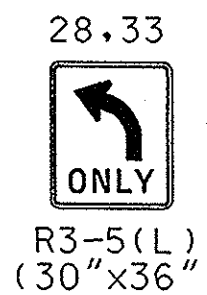
13



PROPOSED SIGNALS
HEADS (LED)



PROPOSED SIGNS



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

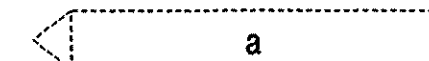
SPECIAL NOTE:

DISCONNECT EXISTING ELECTRICAL CABLE FROM EXISTING
SIGNAL HEADS TO BE REMOVED AND RE-CONNECT TO PROPOSED
SIGNAL HEADS. ANY SIGNAL OUTAGE SHALL BE SCHEDULED
DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.

GENERAL NOTES:

- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.

VIDEO ZONE
DETECTION



MD 210 (Indian Head Highway)

MD 210 (Indian Head Highway)

CONSTRUCTION DETAILS

- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED
- INSTALL HANDHOLE.
- INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- RELOCATE EXISTING SIGN AND SUPPORT(S).
- INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, 16 IN. PEDESTRIAN COUNTDOWN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-4(1) SIGN TO READ "PUSHBUTTON TO CROSS PALMER ROAD". (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- USE EXISTING CABINET AND CONTROLLER. INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT.
- USE EXISTING STEEL STRAIN POLE. REMOVE EXISTING PUSHBUTTON AND SIGN. INSTALL 16 IN. COUNTDOWN PEDESTRIAN SIGNAL HEAD AS NOTED.
- USE EXISTING STEEL STRAIN POLE. INSTALL 16 IN. COUNTDOWN PEDESTRIAN SIGNAL HEAD AS NOTED AND ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND IN EXISTING FOUNDATION.
- INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-4(1) SIGN TO READ "PUSHBUTTON TO CROSS INDIAN HEAD HIGHWAY". CUT POLE ABOVE R10-4(1). (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- REMOVE EXISTING PAVEMENT MARKING (CROSSWALK).
- ADJUST EXISTING HANDHOLE TO FINAL GRADE.
- USE EXISTING SPAN WIRE. INSTALL SIGNAL HEADS AND SIGN. RELOCATE EXISTING SIGNAL HEAD AND SIGN AND REMOVE EXISTING SIGNAL HEADS AND SIGN AS NOTED. RELOCATING EXISTING SIGN WILL NOT BE MEASURED BUT WILL BE INCIDENTAL TO OTHER PERTINENT ITEMS IN THE CONTRACT.
- USE EXISTING SPAN WIRE.
- USE EXISTING SPAN WIRE. INSTALL SIGNAL HEADS AND SIGN AND REMOVE EXISTING SIGNAL HEADS AND SIGN AS NOTED.
- USE EXISTING STRAIN POLE.
- INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-4(1) SIGN TO READ "PUSHBUTTON TO CROSS INDIAN HEAD HIGHWAY". CUT POLE ABOVE R10-4(1). (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-4(1) SIGN TO READ "PUSHBUTTON TO CROSS PALMER ROAD". CUT POLE ABOVE R10-4(1). (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- INSTALL 30 IN. HEAT APPLIED SAND COLOR PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.

GENERAL NOTES CONTINUED

- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.

PAVEMENT LEGEND

FULL DEPTH



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 210 (INDIAN HEAD HIGHWAY) AT
PALMER ROAD/LIVINGSTON ROAD

SIGNALIZATION PLAN

SCALE 1" = 20' DATE 1/1980 CONTRACT NO. P-920-501-371

DESIGNED BY DCD COUNTY PRINCE GEORGES
DRAWN BY DCD LOGMILE
CHECKED BY SR T.I.M.S. NO.
F.A.P. NO. TOD NO. TS-918 G

DRAWING NO. TSP-1- 1 OF 5 SHEET NO. OF



Whitman, Requardt
and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

INSTALL PAINTED ISLAND
3/14/2006
G. INSTALLED PED SIGNALS ACROSS PALMER ROAD
CONTRACT NO. PG060621 9/2005
SRB NML
F. REPLACED DAMAGE STRAIN POLE
CONTRACT NO. OT2005 2/08/2006
SRB NML
E. SPLIT SIDE ROAD PHASING
CONTRACT NO. 10/1992
RCS

PLOTTED: 3/14/2006
FILE: N:\3149796\CADD\PSG-P001.MD210.DGN